

Town of Carlisle, Massachusetts, MA 01741 Carlisle is a 'Green Community' of Massachusetts

MINUTES OF MEETING: 6th February 2019 at 7.00pm Town Hall

Present: Bob Clarke, Basu Sarkar, Bill Risso, Bob Zogg **Absent:** Dan Cook, Debbie Bentley, Helen Young

Attendee: Jonathan DeKock, Claude Von Roesgen, Janne Corneil (Chair, Master Plan Steering

Committee)

Bob Zogg called the meeting to order at 7.11pm.

It was agreed that the meeting can be live-streamed on You Tube.

Bob Z. recorded meeting minutes in the absence of the secretary.

Minutes for January's meeting were approved, as amended, with one abstention.

Current Business

		Discussion	Action		
1	1	Carlisle Master Plan			
		Janne Corneil presented an overview of the new master plan development			
		process, and how the Master Plan Steering Committee estimated resource			
		requirements for a consultant to assist the MPSC in gathering community input for			
		the new master plan. The MPSC seeks CETF's endorsement of their warrant article			
		to request \$150K - \$160K for hiring a consultant. Janne's presentation is attached.			
	2	Presentation Notes:			
		 Presentation is attached, and also available on website: 			
		https://www.carlisleplan.org/			
		Master Plan will be a living document			
		 Process is as important as the plan itself 			
		 Janne develops master plans as her occupation 			
		 Master plan process will save money in other areas—examples: GIS 			
		system will be upgraded, some planning processes are required by law			
		anyway			
		 Zoning is a major tool in master plans. Also, private/public partnerships. 			
	3	Q&A/Comments:			
		 Q: Nature of community input? A: Community-wide meetings, 			
		consultants will help solicit participation (surveys, website info,			
		communication blasts, etc.). There seems to be a lot of interest.			
		Consultant needs to demonstrate ability to solicit input.			
		 Q.: How do we come to consensus with competing priorities? A: Fact 			
		finding is first phase of process—will be fact/data-driven process. Second			
		Phase is iterative, with some set of criteria to evaluate aspirations. Goal is			
		to develop process. Janne's experience indicates that most people			
		eventually get behind the plan.			
		 Q/Comment: Balance of niceties vs. necessities? Not much \$\$ left after 			
		necessities. Also, what about revenue sources other than the taxpayer?			



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		Plan should be reviewed yearly. A: Consultant will help us develop	
		implementation approach. Plan has several pieces. Plan will be flexible to	
		make tradeoffs.	
		 Comment: Town has to be able to afford to implement plan. Reply: 	
		agreed	
		Comment: People come to Carlisle for a few years, commit to spending,	
		and then leave with the burden left on others.	
		 Q: What about grants to help fund the consultant? A: There are places to 	
		look for grant money, including MAPC. Boxborough hired MAPC. MAPC	
		co-funded the plan. Haven't found grant opportunity for full-on master	
		plan.	
		Comment: Plan not voted on at Town Meeting, but approved by BOS	
		Zoning is a major tool in master plans. Also, private/public partnerships. Sill and the first plants are also as a first plants are also as a first plants.	D.7
	4	Vote: Bill requested deferring vote on endorsement of the warrant article until	BZ
		the March CETF meeting to allow time to review and reflect. <i>Action: Place vote</i>	
		on March agenda.	
2	1	Meeting Management (Bob Z.)	All
		Bob apologized for the length of the January 2 meeting. Going forward, he	
		encouraged members to:	
		 Comment during meetings if they have any concerns or suggestions about 	
		meeting facilitation	
		 Review and comment on draft agendas that are circulated in advance 	
		 Arrive promptly so that meetings can start at 7 PM 	
		 Review the previous meeting's draft minutes, and send comments to the 	
		secretary, in advance of the meeting.	
3	1	·	
		Bob Z. reported that no member responded to his request for a volunteer to draft	
		an entry to the Carlisle Annual Report. (Entries are due Feb. 28.) Bob repeated	
		the request, but no one volunteered. Therefore, the CETF does not plan to submit	
		an entry	
4	1	Green Communities	BR, BZ
		Bill and Claude provided status updates:	
		School lighting is done	
		 School HVAC—75% complete (small project) 	
		DPW is done	
		Guardian Projects:	
		 Town Hall—need form from Tim before starting work—<i>Bill to</i> 	
		follow up.	
		 Gym Destrat Fans—interested, but haven't set up date to visit 	
		school	
		Charging Stations: No progress. Claude gave Ferns (Matt Herwick)	
		application form. He gave form to Ms. Daisy (property owner) but she or	
		her son lost the form. Claude re-sent form. Debbie created application	
		• •	
		and submitted for the Historical Society. Building Commissioner says no	



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		site plan review is needed.	
		Anti-idling: Done.	
		Bob Z will initiate discussions with Neal Duffy of DOER about using	
		leftover funds for the anti-idling project for the Gym Destratification	
		project.	
		p. system	
5	1	Municipal Solar	ВС
		Bob C. and Jonathan provided updates:	
		Jan 29—working group had second meeting with Ameresco. Going more	
		slowly than Bob would like at Ameresco end in terms of addressing	
		changes. They've been to planning board and school board meetings.	
		Two leases needed—one for each site. Bob suggested a minimum	
		payment be specified in lease. Need pilot and solar bylaw—they are in	
		process. Still need final design and rendering. Still need to get committee	
		support. Bill suggests explaining to assessors what the pilot is about. Bob	
		doesn't want to meet with boards without complete information. School committee voting Feb. 11? on general concept, but won't be final say.	
		School wants parking lot paved, but that may eat up much/all of lease	
		money. School wants another contractor, not Ameresco, to pave lot.	
		 Jonathan: Ameresco assumed some trees could come down for canopy. 	
		Ameresco is revising plan each time they see DPW. May not be able to	
		build this summer if there are more delays.	
		BOS expects warrant articles on Feb. 12. Three warrant articles are	
		needed: Solar bylaw, lease, and pilot	
		Bob C. will ask Tim Goddard to authorize him and Jonathan to directly	
		engage with Ameresco.	
		Ameresco assumed system would be painted. Going with husky blue for	
		first rendering.	
6	1	Goals Subcommittee	
		Bob Z. reviewed updates to draft slide presentation on goals (see attachment).	
		Key comments:	
		The purpose the purpose of this effort is to determine the community's	
		interest in establishing and pursuing goals.	
		Added agriculture estimate. Agriculture emissions estimate is uncertain	
		due to wide discrepancies in dairy cow emissions. Could be anywhere	
		from 1% to 4% of town's emissions, just for the estimated 140 dairy cows	
		at Great Brook Farm.	
		 Updated residential vehicle emissions after discovering MAPC vehicle use database. 	
		Added waste incineration emissions estimate (incineration at	
		Wheelabrator plant in North Andover). Did not credit emissions for	
		electricity generated. That might lower estimate by 15% or so.	
		Based on feedback at the January 2 CETF meeting, added alternative	
		program management options and estimated costs.	



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	2	Members offered comments:				
		If the idea is to figure out how to solicit community input, rather than to				
		get the opinions of the CETF, then we cannot claim any CETF endorsement				
		of the goals and related support requirements				
		 Several attendees felt that it may be feasible to set and pursue goals 				
		without taxpayer funding to manage the effort. Examples:				
		 Set up challenge and report progress towards goals to motivate 				
		people; perhaps also initiate home energy scores				
		 Provide installers (selected through a solicitation) with access to 				
		our community in exchange for some concession, such as				
		payment to town (to offset management costs) or reduced price				
		to community members				
		 Policy measures, such as requiring all new construction to be net- zero 				
		 Could also consider part-time person, perhaps ramping up hours over 				
		time, if needed				
		We should present this to the BOS at some point, to inform them of what we are				
		doing in support of the master plan process. Also, this might help answer some of				
		the questions the Selectmen had about our new mission statement (from the Nov.				
		27, 2018 BOS meeting).				
7	1	HeatSmart Transition				
		Bob Z. had to randomly select a new recipient of the free heat pump				
		because original winner of drawing refused the heat pump (due to cost				
		adders needed to address his aesthetic concerns).				
		Bob continues to meet bi-weekly with Concord and Lincoln to plan heat				
		pump promotion and information dissemination. Scope includes space				
		heating and water heating.				
		Concord to host information, but still working out details. Concord town management has expressed consorns about baying.				
		 Concord town management has expressed concerns about having 				

volunteer coaches and/or ambassadors, but this is still under discussion.

Next Meeting 6th March at 7pm. **Meeting Adjourned** 9:27pm.

Attachments:

- MPSC Report_02-06-2019_ETF.pdf
- Carlisle Sustainability Goals--v0.8.pdf

Sustainable Carlisle

DRAFT

Presentation
to XXX
by the Carlisle Energy Task
Force

Feb. 6, 2019 Revision

Introduction





The CETF is helping the town develop goals and a conceptual pathway for energy sustainability.

- CETF established a Goals Subcommittee to:
 - Propose energy sustainability goals and conceptual pathway to achieve goals
 - Work with Planning Board and Master Plan Steering Committee to get community input and incorporate appropriate goals into the new Master Plan

The Benefits

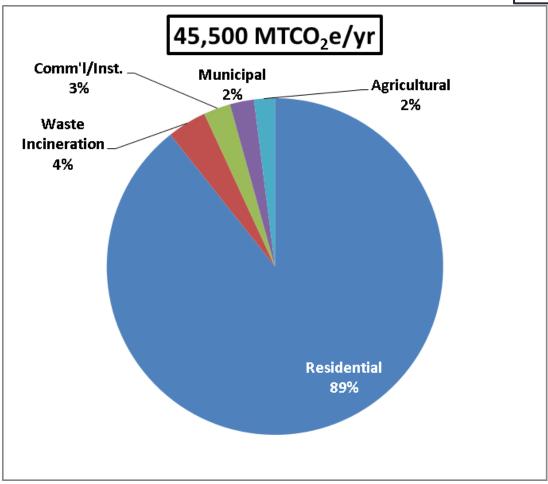
DRAFT

Setting goals will help Carlisle reduce its environmental footprint.

- Helps residents, businesses, and municipal departments lower energy costs and reduce environmental impacts
- Improves comfort of homes and buildings
- Leaves a healthier planet for future generations



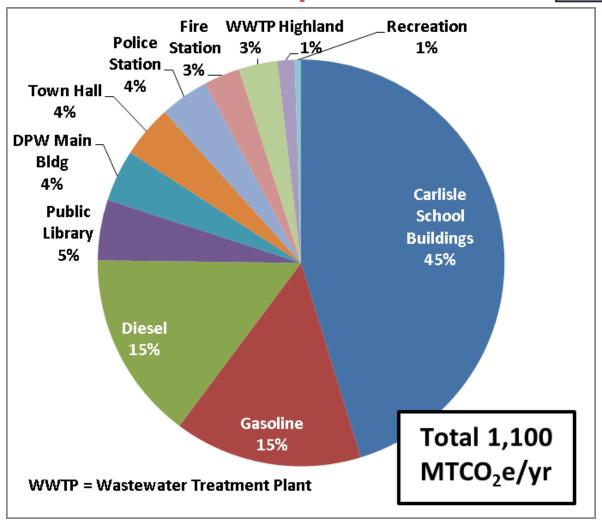
2017 Carlisle Emissions DRAFT



1) Includes vehicles; excludes indirect emissions associated with purchased goods and services

PRELIMINARY DATA--DO NOT CITE

2017 Municipal Emission PRAFT

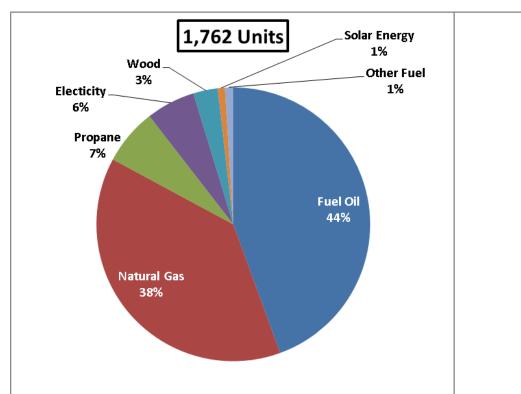


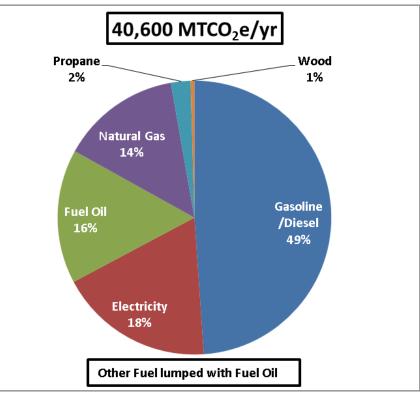
PRELIMINARY DATA--DO NOT CITE

Residential Emissions DRAFT

2016 Occupied Housing Units by Primary Heating Fuel

2017 Residential Emissions by **Fuel Type, Including Vehicles**

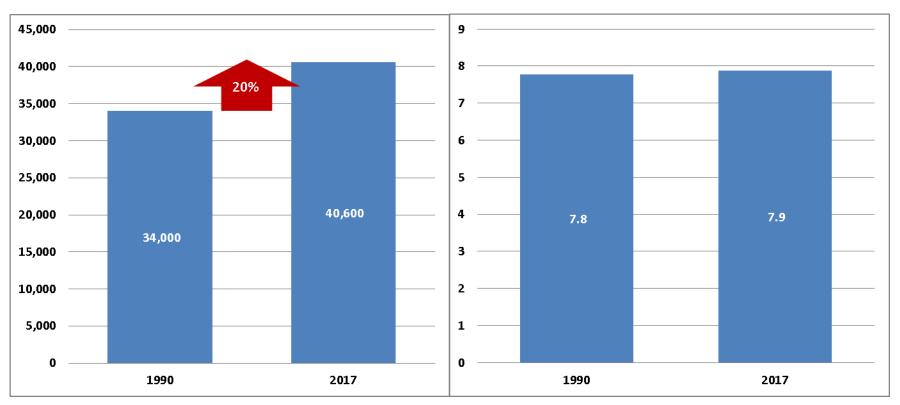




Residential Emissions Trend&AFT

Residential Emissions Trend (MTCO₂e/yr)

Per-Capita Residential Trend (MTCO₂e/yr)

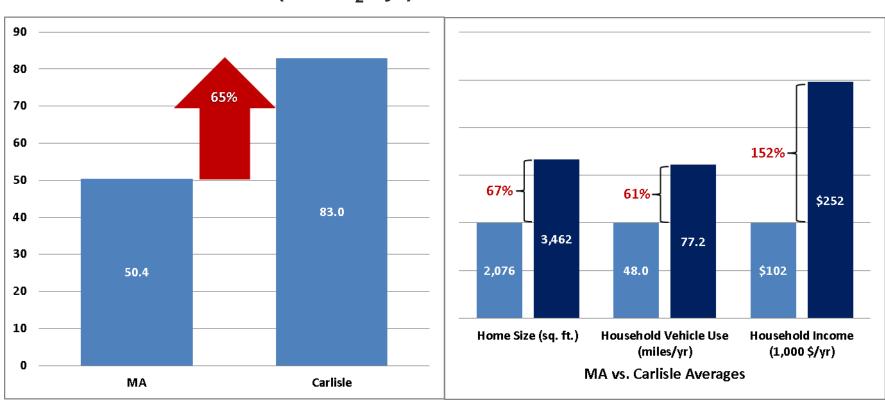


PRELIMINARY DATA—DO NOT CITE

Residential Emissions Company

Per-Household Direct and Indirect Emissions (MTCO₂e/yr)

Other Metrics



PRELIMINARY DATA—DO NOT CITE

Options for Sustainability GORAFT

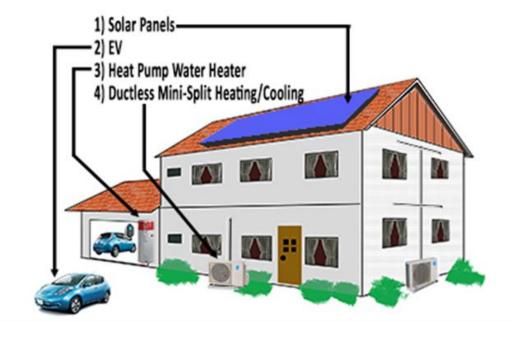


Option 1	Option 2	Option 3
Align with MA Global Warming Solutions Act of 2008	Align with Intergovernmental Panel on Climate Change (2018)	No quantified emissions goals
 6% avg. annual reduction 	 10% avg. annual reduction 	
 By 2050, 80% town-wide reduction in Green House Gas (GHG) emissions relative to 1990 emissions ^{1, 2} 	 By 2050, 95% town-wide reduction in GHG emissions relative to 2017 ^{1, 3} 	
 By 2030, 40% town-wide reduction 	By 2030, 65% town-wide reduction	

- "Town-wide emissions" include residential, commercial, municipal, and agricultural emissions from both transportation and the built environment.
- 2) Consistent with the year-2050 goal of the MA Global Warming Solutions Act of 2008.
- Per IPCC SR1.5, October 8, 2018, limiting warming to 1.5°C implies reaching net-zero emissions around 2050.

Overall Approach to Achieving Chals

- Key Approaches:
 - Improve energy efficiency
 - o Electrify
 - Shift to renewable electricity
- Other Possible Approaches:
 - Biomass heating systems
 - Energy conservation
 - Reforestation and forest preservation
 - Improved agricultural practices



Municipal Approaches to Achieving Boats

- Place sustainability front and center in the municipality
 - o Factor long-term energy costs and value of carbon into plans and decisions
 - Empower department heads to achieve sustainability
- Enhance Community Choice Aggregation & expand municipal solar projects
- Leverage policy avenues:
 - All new homes and buildings zero net energy or "Zero Energy Ready"? 1
 - Sustainability review of major home / building renovations?
 - Moratorium on natural-gas expansion?
 - o Energy ratings / labels for all homes and buildings?
 - Redistribution of local taxes to approximate a carbon tax?
- Develop infrastructure to support electric vehicles, bicycles, and pedestrians
- Support community education and events / programs
- 1) "Zero Energy Ready Home" is the U.S. Department of Energy brand for high-performance homes that are "solar ready." See details at: https://www.energy.gov/eere/buildings/zero-energy-ready-home

Approach to Residential / Commercial / Institutional

- Develop energy plans for each home / building
- Residential Example:
 - Develop generic plans for each housing type/vintage (three types)
 - Customize plan for each residence through home energy assessments
 - o Implement plans, as owners are able
 - Transfer plans when ownership changes



Approach to Agricultural DRAFT

- Develop energy plans for each agricultural enterprise
- Example measures:
 - Electrification and energy efficiency
 - No-till agricultural practices
 - Perennial crops / crops with woody biomass
 - Anaerobic digesters to generate biofuels



Management Options DRAFT

Sustainability Director Increasing Risk **Energy** Manager Mass **Energize** 501(c)(3) (Pending) **Dedicated** 501(c)(3) AII-Volunteer

- Focused on promotion and leveraging grants
- Funded by taxpayer
- Focused on tracking/reporting/coordinating
- Funded by taxpayer (less \$ than SD)
- Leverages efforts of other Middlesex towns
- Funded primarily by grants and philanthropy
- Requires coordination and compromise
- Requires fund-raising (shared responsibility)
- Supports Carlisle-tailored program
- Funded primarily by grants and philanthropy
- Requires set up, management, and fund-raising
- Requires substantial, sustained commitment from a number of qualified volunteers



Resource Requirements DRAFT

Management Option	Estimated Program Management Cost (\$/yr) ¹		
Sustainability Director	 Salary: \$150K (fully loaded) Other Staff: \$50K (fully loaded) Expenses: \$25K Total: \$225K 		
Energy Manager	 Total: \$225K Salary: \$100K (fully loaded) Other Staff: \$50K (fully loaded) Expenses: \$25K Total: \$175K Other Staff: \$50K (fully loaded) 		
Mass Energize 501(c)(3)	• Expenses: \$25K		
Dedicated 501(c)(3)	 Total: \$75K Other Staff: \$50K (fully loaded) Expenses: \$25K Total: \$75K 		
All-Volunteer	 Other Staff: \$50K (fully loaded) Expenses: \$25K Total: \$75K 		



Resource Requirements DRAFT

If we are successful, energy-cost savings may help offset program management costs. ¹

Example Residential Measure	Potential Savings (\$/year) ²
Weatherize Homes	Up to \$1.2 million
Install Heat Pumps for Space Heating	Up to \$1.0 million
Install Heat-Pump Water Heaters	Up to \$0.3 million
Total Annual Benefit (Residential Only)	Up to \$2.5 million

- 1) Residents, businesses, and organizations will also incur the costs of the measures adopted
- 2) Key assumptions for upper end of range:
 - All Carlisle homes achieve30% reduction in home heating loads through weatherization
 - All homes not heated with natural gas switch to heat pumps (60% air-source heat pumps, 40% ground-source heat pumps)
 - All homes not heated with natural gas install heat-pump water heaters
 - Savings based on current fuel and electricity prices, and current housing stock

Next Steps

DRAFT

- Assist Master Plan Steering Committee with soliciting community input
- Refine estimates of Carlisle's current and past energy consumption and GHG emissions
- Based on community input:
 - Refine goals
 - Further develop conceptual pathway
 - Work with Master Plan Steering
 Committee to document in proposed
 Master Plan





Outline: Master Plan Updates

- 1. Master Plan Outcomes
- 2. Process Vision Statement & Purpose of the Master Plan
- 3. Master Plan Committees
- 4. Master Plan Process Guiding Principles
- 5. Community Interests/Recurring Themes
- 6. Proposed Master Plan Work Plan & Schedule
- 7. Fee Estimate Analysis & Recommendations (Including Comparable Town Analysis)
- 8. Back up work sheets



Broad Integration of Master Plan Initiatives

"Current boards and committees have identified goals and actions for the coming year **based on the final Plan** – e.g., the Select Board has appointed two committees that will focus on the 2 **Cultural Districts** and the Planning Board is considering major revisions to special permit **housing** development options found in the Zoning Bylaw. Additionally, the Town Manager is asking town staff to incorporate recommended actions in Department goals."



Marcia Rasmussen, Planning Director, Concord

https://concordma.gov/DocumentCenter/View/15250/Final-Envision-Concord-Plan-7-30-18-Full-Version-79MB



BALANCING CHANGE WITH TRADITION
JULY 30, 2018

Basis for Zoning Amendments & Other Influences

"We have made a lot of **zoning** changes, including upgrading the Industrial and Business zoning, and are working on potential changes to some aspects of **housing** zoning. The analysis of housing trends and needs has probably influenced the Board's attitudes to what type of development it encourages to sites where there are choices. We contribute our thoughts to things like **Ped & Bike** plan, Strategic housing study, **Senior Needs** survey, **referencing the Plan**."

Catherine Perry Assistant Planner, Bedford

https://www.bedfordma.gov/sites/bedfordma/files/file/comprehensive_plan_12_10_2013_1.pc



THE BEDFORD WE WANT: SHAPING OUR FUTURE

COMPREHENSIVE PLAN

Bedford Planning Board
December 2013

Commitment from Community Leaders

"Our Select Board, Planning Board, **Economic Development** Committee, **Water** Resource Committee, **Agricultural** Commission, and other Town Boards,

Committees, and Commissions have really embraced the

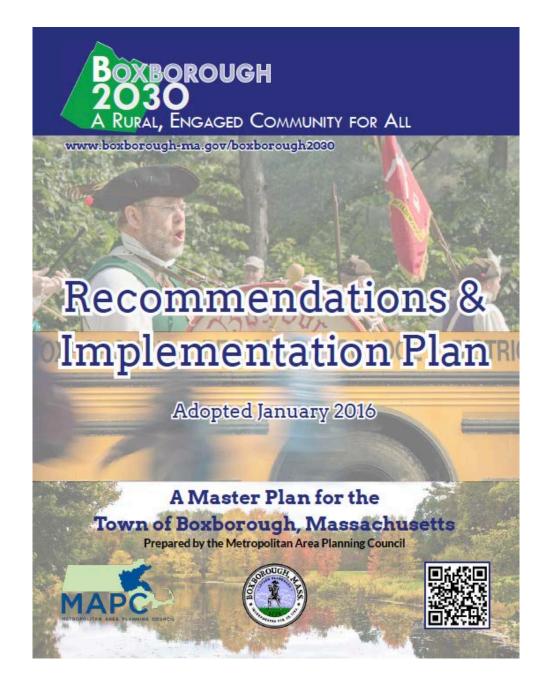
Master Plan and do their best to adhere to it. The Master

Plan Implementation Committee holds the other Town

boards, committees, and commissions **accountable for the action items [that] they are assigned, in the Master Plan**.

Adam Duchesneau, AICP, Town Planner, Boxborough

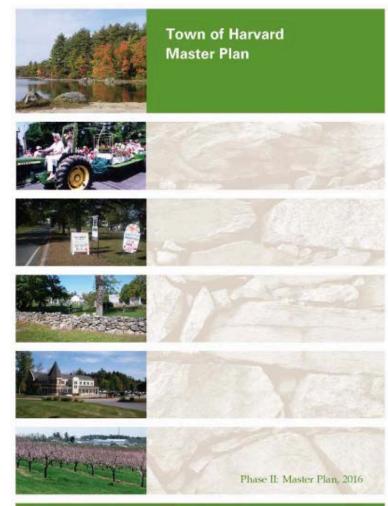
http://www.boxborough-ma.gov/boxborough2030



Implementation of Priority Initiatives

"We broke down the Action Plan into specific tasks for various boards and departments to complete. After the first year, we tracked the items that had been completed or were being actively worked on, and put it [the list] up on the web. The intent is to update this [list] annually and send reminders to the departments to urge implementation. In addition, every year the Planning Board conducts a retreat where it identifies its objectives for the next fiscal year. Implementing the MP plays a prominent role, with the Board deciding which tasks to take on for the coming year. I would say it completes 2 or 3 of its assigned Action Plan tasks each year, most of which are adopted. Some difficult tasks may flow into the next year. The Selectmen are also very active in implementing their tasks. The also prepare an annual list of goals and consider their remaining MP tasks."

> Christopher Ryan, Town Planner, Harvard



https://www.harvard.ma.us/master-plan/pages/2016-master-plan

Vision Statement for Master Plan Process

"Carlisle seeks to develop a comprehensive long-range master plan that addresses both short-term needs and long-term goals for the town. The master plan, developed through a community process, will inform town policy, guide decision makers and inspire members of the community to participate in Carlisle's ongoing improvement as a sustainable community."

From MPSC Report to Planning Board, November 2017



Purpose of the Master Plan

- a shared vision that is developed through an inclusive community process
- a road map (with targets & metrics) for the town to prioritize future community needs and measure progress towards meeting these goals
- an integrated approach that takes input and builds consensus among interested stakeholders
- a **comprehensive** action plan that addresses both short-term needs and long-term goals



Importance of the Master Plan

- Creates shared goals and priorities to align community needs and to help coordinate efforts of boards and committees
- Supports Board of Selectmen, FinCom & School Committee efforts to plan for expenditures over multiple years and prioritize investments
- Creates a **citizens** forum to discuss and explore new ideas with town-wide participation



Master Plan Committee Structure

Master Plan Steering Committee (MPSC) (7 members)

- Develop master plan process, work plan, schedule and fee estimate
- Make recommendations on budget requirements
- Manage RFP process for hiring and procuring a planning consultant
- Coordinate and manage master plan process and planning consultant
- Coordinate Master Plan Advisory Committee Formation
- Report to Planning Board, Board of Selectmen, and FinCom

Master Plan Advisory Committee (MPAC) (40 members)

- Participate in regular master plan meetings (every 2-3 months)
- Provide input to MPSC and consultants on community interests and concerns
- Act as a resource to community members on master plan content and process



Guiding Principles for the Master Plan

Action Oriented Approach: The master plan will identify clear policy direction and priority projects, outline roles and responsibilities, and define approaches to funding and implementation with the expressed goal of timely implementation. The plan will establish a phasing strategy that embraces master plan goals yet is feasible and can be implemented within a reasonable time frame.

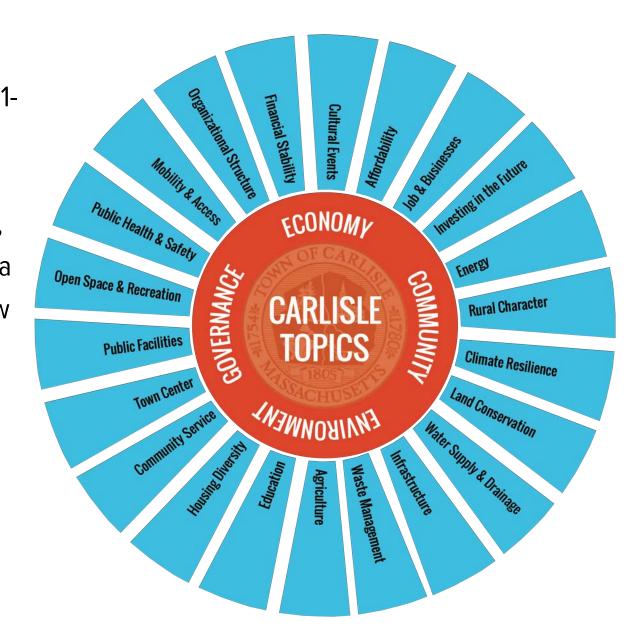
Community Engagement: The master plan will undertake a robust community engagement process that reaches and engages with all of Carlisle's constituents. The goal of the master planning process is to raise awareness among town residents, identify key players and leadership, and build support across interest groups. The engagement process will include: interviews with key stakeholders and town boards and committees, focus group meetings, social media and a web site, public workshops and surveys.

Measure Success: The master plan process will embrace a performance-based approach that establishes targets and a dashboard for measuring outcomes. A data-driven planning method will help Carlisle's residents understand the tradeoffs and benefits of decisions as we work to balance our goals. The master plan will help Carlisle prioritize actions and measure our progress towards achieving the town's goals.



Guiding Principles for the Master Plan (cont'd)

Integrated Planning: The master plan must incorporate the elements required by the State as outlined in M.G.L. Ch. 41, s. 81-D. These elements include: Goals and Policies, Land Use, Housing, Economic Development, Natural and Cultural Resources, Open Space and Recreation, Services and Facilities, Circulation and Transportation, and Implementation. There are a number of additional topics that are not included in the 81-D law that will be incorporated in the Carlisle Master Plan consistent with current planning practices in the Commonwealth. To this end the MPSC has developed an "Integrated Planning Framework" that encompasses all of the topics relevant to creating a sustainable future for the Town of Carlisle. The attached diagram is an illustration of the Carlisle Integrated Planning Framework.





MPSC Carlisle Master Plan Updates- December 11, 2018

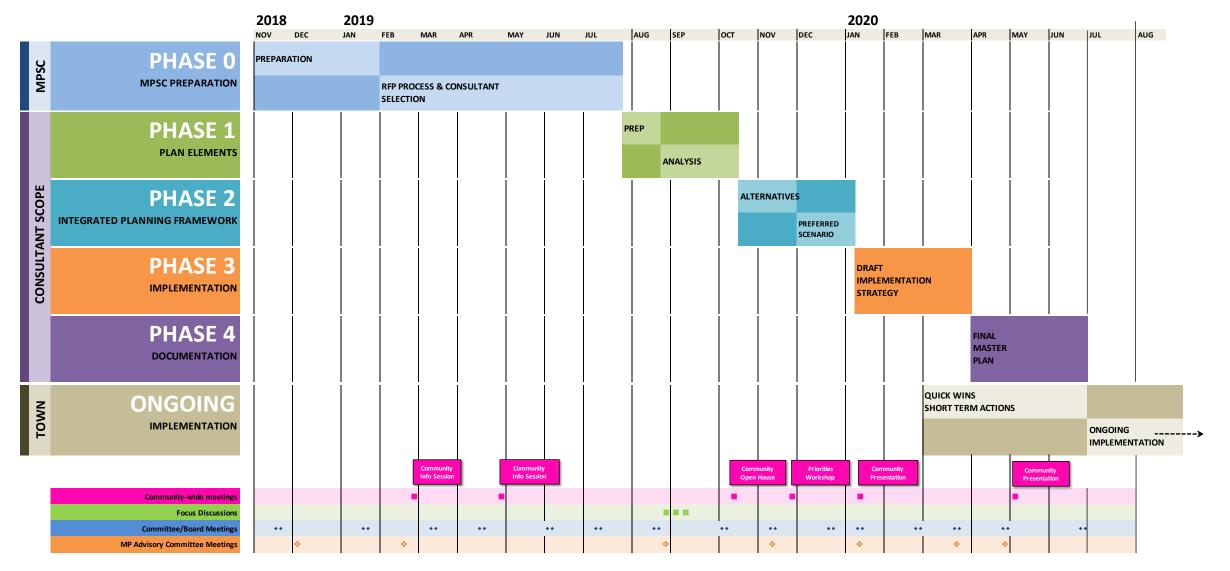
Community Interest/ Recurring Themes

- Agricultural Uses: Maintaining Carlisle's Rural Character
- Conservation & Recreation: Carlisle's Identity
- Community Center: Providing a New Facility for the Community
- Creating Community: Meeting the Social Needs of Carlisle Residents
- Housing: Diversity & Affordability that meets Carlisle's needs
- Revenue Generating Opportunities: Creative Solutions
- Sustainability: Economy, Environment & Community
- Town Center: Unlocking Potential
- Transportation: Creating More Options
- Walkability: Connecting Carlisle Neighborhoods



Overall Master Plan Process

- Phase 0 MPSC Preparation
- Phases 1 4 Planning Consultant-led MP process
- Ongoing Implementation



Fee Estimate Overview

- Based on MPSC "Mock Up" of Work Plan Proposal & Fee Estimate
- Review of Comparable Town RFP's/Plans/Fee Analysis
- Review by Planning Experts

PHASE 1: PLAN ELEMENTS 1 Preparation GIS Mapping Background Review 2 Analysis/Framing of Plan Elements Current projects & plans Needs & Issues Barriers & Challenges Opportunities PPT Presentation 3 Community Engagement 1 Focus Discussions 2 Committee/Board Meetings 3 Community-wide meetings 4 MP Advisory Committee Meetings PHASE 2: INTEGRATED PLAN FRAMEWORK **Alternative Scenarios** Alternative Scenario Exploration **Evaluate Scenarios** 2 Preferred Scenario - Priorities a Refine Preferred Scenario Plan Priorities and Phasing 3 Community Engagement Community-wide meetings Committee/Board Meetings MP Advisory Committee Meetings PHASE 3: IMPLEMENTATION 1 Draft Implementation Strategy Long Term Plan 5-Year Action Plan Funding, Governance, Technical Studies 2 Community Engagement Committee/Board Meetings MP Advisory Committee Meetings **PHASE 4: DOCUMENTATION** 1 Final Master Plan a Presentation Draft Report c Final Report 2 Community Engagement Community-wide Meeting

Committee/Board Meetings
MP Advisory Committee Meetings

Mock Up of Fee Estimate based on Work Plan

- Total estimated minimal fee of \$122,700 including \$116,850 for labor and \$5,850 for expenses (based on work plan & anticipated staffing)
- Anticipated expertise: Planning, Civil Engineering & Economic Strategy
- Total of over 1,000 hours of work anticipated at a blended hourly rate of \$109/hour

FEE ESTIMATE BY EXPERTISE

PLANNING (PRIME)	\$ 90,050.00
CIVIL ENGINEERING	\$ 12,900.00
ECONOMIC STRATEGY	\$ 13,900.00
TOTAL ESTIMATE FEE	\$ 116,850.00

FEE ESTIMATE BY PHASE

PHASE 1 PLAN ELEMENTS	\$ 39,000.00
PHASE 2 INTEGRATED PLANNING FRAMEWORK	\$ 30,200.00
PHASE 3 IMPLEMENTATION	\$ 20,700.00
PHASE 4 DOCUMENTATION	\$ 26,950.00
TOTAL ESTIMATE FEE	\$ 116,850.00

SUMMARY

TOTAL HOURS	1,072
BLENDED HOURLY RATE	\$ 109.00



Summary of Comparable Town Analysis

- Reliable data from four comparable towns: Concord, Boxborough, Bedford, and Harvard
- Consultant and staff time included
- Master plan costs range from \$143,000 to \$277,000

Town	RFP Date	Scope of RFP	Consultant Budget	Staff Time Budget Equivalency	MP Cost	Total MP Cost	Contract Time		
	12/15/16	Comprehensive Long Range Plan	\$ 120,000	Planning Director	\$ 59,089				
			\$ 54,000	Town Planner	\$ 44,044				
Concord				Former Town Clerk (Volunteer)	\$ -	\$ 277,133	16 months		
				2 Fin Com Members - survey	\$ -				
				MPSC Co-chairs	\$ -				
Boxborough	9/4/14	Master Plan Update	\$ 75,000	Town Planner	\$ 43,125	\$ 143,125	12 months		
Boxborougn			\$ 25,000	6 employees to run meetings		\$ 143,125	12 1110111115		
	4/27/12	Master Plan - Consultant Services	\$ 40,800	Planning Director	\$ 27,600				
				Assistant Planner	\$ 51,750				
Bedford				Admin Assistant	\$ 69,000	\$ 235,150	12 months		
				Intern	\$ 28,750				
				GIS Analyst	\$ 17,250				
	8/29/11	Master Plan Phase 1 - Town Vision & Goals	\$ 35,000	Town Staff	\$ 1,869	¢ 240.404	40 M . II .		
Harvard	7/22/13	Master Plan Phase 2 - Scope & Action Planning	\$ 100,000	Consulting Town Planner	\$ 73,313	\$ 210,181	18 Months		
Acton		Master Plan Phase 1 - Community Outreach	None Referenced			???	12 months ish		
Acton	8/6/08	Phase 2 - Master Plan	\$ 140,000			:::	12 IIIOIIUIS ISII		
				AVERAGE		\$ 216,340			



Fee Estimate Recommendations

- \$122,700 Based on MPSC Mock Up Work Plan & Fee
- \$143,000 to \$277,000 Based on Comparable Plans

MPSC RECOMMENDATION: \$135,000 budget



Feedback from Comparable Towns

"You do need to have a consultant which is really willing to roll up their sleeves. I do not see a way a community like Boxborough could have done an update like we did using only Town staff and volunteers."

Adam Duchesneau, AICP, Town Planner, Boxborough

"We contribute our thoughts to things like Ped & Bike plan, Strategic housing study, Senior Needs survey, referencing the Plan. So I think we are having some influence beyond the Planning Department/Board's direct responsibilities."

Catherine Perry, Assistant Planner, Bedford

"Because the outreach during the master plan was so robust, we found recommendations and ideas being implemented before the plan was actually completed."

Marcia Rasmussen, Planning Director, Concord

"Implementing the MP plays a prominent role, with the Board deciding which tasks to take on for the coming year. I would say it completes 2 or 3 of its assigned Action Plan tasks each year, most of which are adopted."

Christopher Ryan, Town Planner, Harvard



Master Plan Outcomes

- Strategic Road Map for prioritizing and implementing town priorities
- Engagement of community leaders in ongoing town improvements
- Identification of priority projects w/ conceptual budgets & implementation steps
- Geographical Information System (GIS)
 Database updated
- Basis for comprehensive policy and zoning amendments
- Basis for updating Open Space/Recreation and Housing Production plans



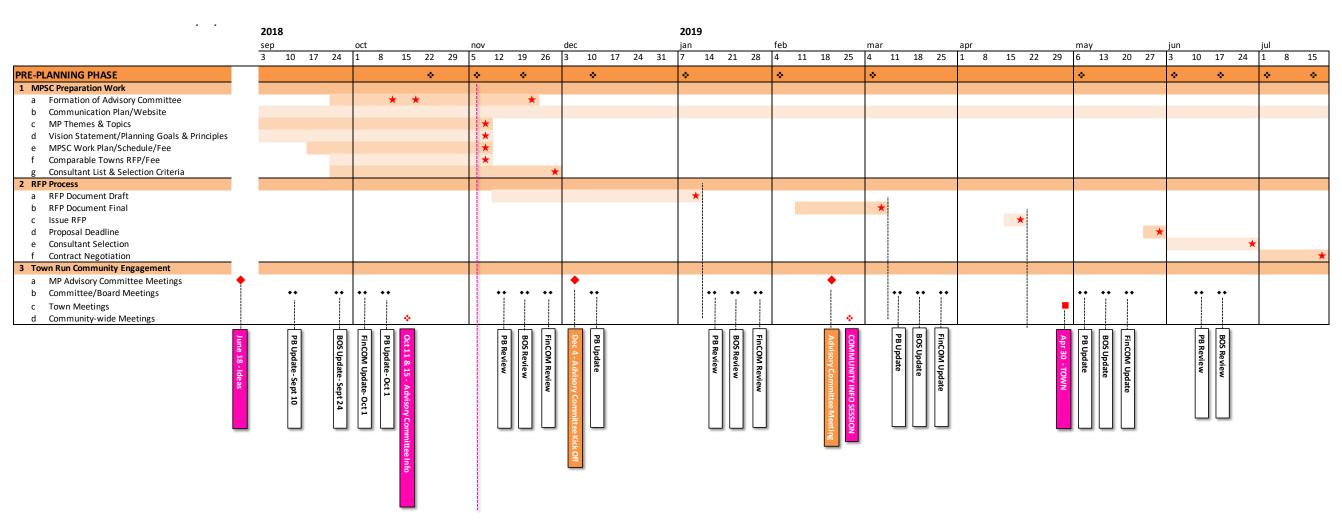


Supplemental Materials



Phase 0: MPSC Preparation

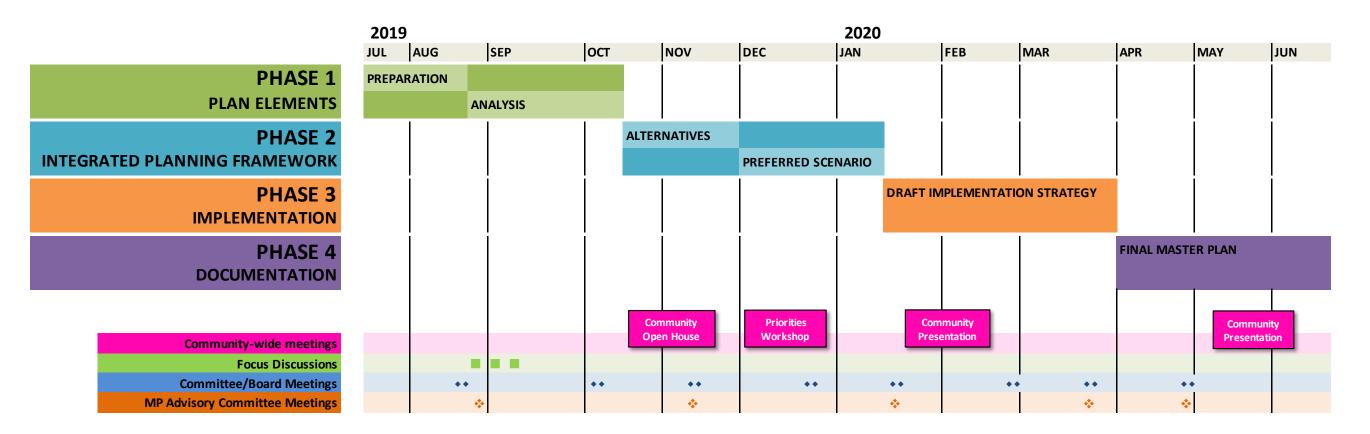
- Formation & Kick Off Meetings of Advisory Committee
- Preparation of Master Plan Work Plan & RFP
- Regular MPSC Update meetings with Town Boards/Committees



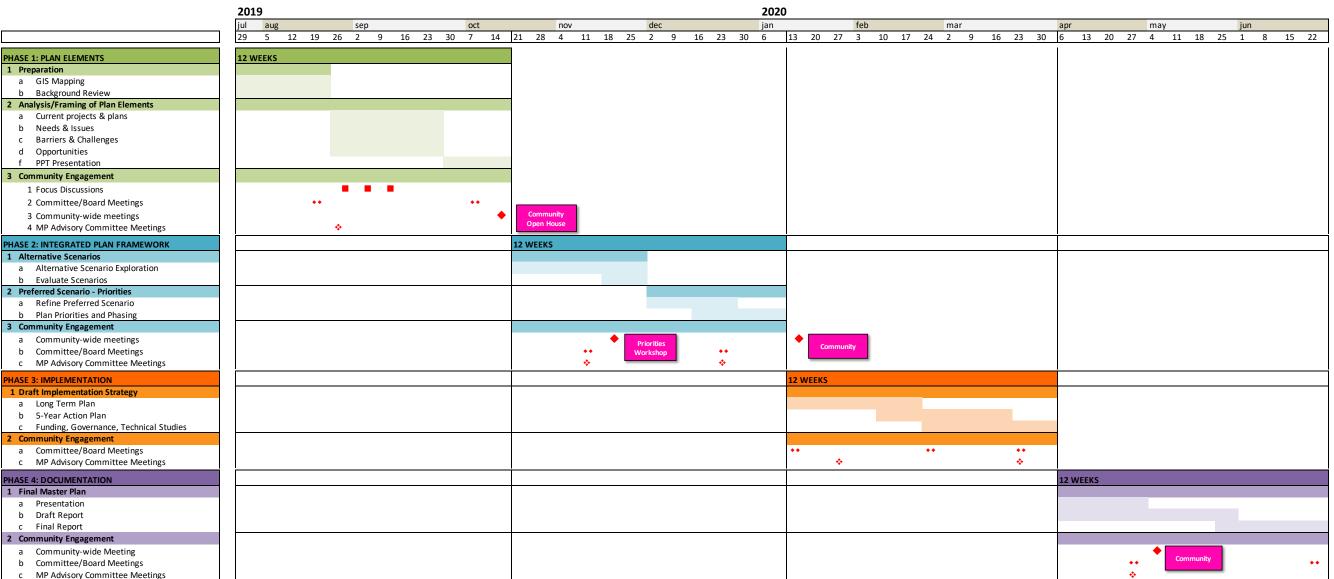


Phases 1 - 4: Consultant Work Plan/Schedule

- Four phases in 12 months
- Four town-wide community meetings, Five MPAC meetings
- Regular MPSC Update meetings with Town Boards



Phase 1 - 4: Consultant-led Master Plan Work Plan





Phase 1 - 4: Consultant Fee Estimate

Hourly rate	Planning Fi	100 rm (Prime)	75	100	150 Civil	75	200 Economic	75	
	PIC	PM S	Staff	GIS	PM S	Staff	PM S	Staff	
PHASE 1: PLAN ELEMENTS									
1 Preparation									
a GIS Mapping	0	4	4	24					
b Background Review	4	8	8	0	-				
2 Analysis/Framing of Plan Elements									
a Current projects & plans	2	8	8	8	4				
b Needs & Issues	4	8	0	0		4	4		
c Barriers & Challenges	4	8	0	0	8	8	4		
d Opportunities	4	8	0	0	8		8	4	
f PPT Presentation	2	16	32	32	-	8		4	
3 Community Engagement			_	_	_				
1 Focus Discussions	12	12	0	0	8	4	4	4	
2 Committee/Board Meetings	4	4	4	0					
3 Community-wide meetings	4	4	0	0	2		2		
4 MP Advisory Committee Meetings	4	4	0	0	2		2		PHASE 1
	7,700	8,400	4,200	6,400	4,800	1,800	4,800	900	39,000
PHASE 2: INTEGRATED PLAN FRAMEWORK									
1 Alternative Scenarios									
a Alternative Scenario Exploration	8	24	40	16	8	8	8	8	
b Evaluate Scenarios	8	8	0	0	2	8	2	0	
2 Preferred Scenario - Priorities		0	<u> </u>						
a Refine Preferred Scenario	8	24	24	8	4	16			
b Plan Priorities and Phasing	8	8	4	0	4	10	4	8	
3 Community Engagement			4		-		4		
	4	4	0	0					
=	0	0	0	0					
b Committee/Board Meetings	4	4	0	0					DU ACE 2
c MP Advisory Committee Meetings	7,000	7,200	5,100	2,400	2,100	2,400	2,800	1,200	PHASE 2 30,200
	7,000	7,200	3,100	2,400	2,100	2,400	2,000	1,200	30,200
PHASE 3: IMPLEMENTATION									
1 Draft Implementation Strategy				_					
a Long Term Plan	16	16	24	8	_	_	_		
b 5-Year Action Plan	8	16	16	0	4	0	8	8	
c Funding, Governance, Technical Studies	8	16	8	0	4	0	4	8	
2 Community Engagement			_	_					
a Committee/Board Meetings	0	0	0	0					DU 465 5
c MP Advisory Committee Meetings	4	4	0	0					PHASE 3
	6,300	5,200	3,600	800	1,200	-	2,400	1,200	20,700
PHASE 4: DOCUMENTATION									
1 Final Master Plan									
a Presentation	4	24	40	8		4	0	4	
b Draft Report	16	40	60	16		4	0	4	
c Final Report	4	16	16	8		•	3	•	
2 Community Engagement									
a Community-wide Meeting	2	2	0	0					
b Committee/Board Meetings	2	2	0	0					
c MP Advisory Committee Meetings	2	2	0	0					PHASE 4
	5,250	8,600	8,700	3,200		600		600	26,950
	26,250	29,400	21,600	12,800	8,100	4,800	10,000	3,900	20,550
	20,230	23,400	21,000	90,050	0,100	12,900	10,000	13,900	TOTAL
				30,050		12,900		13,500	IUIAL



Research on Comparable Towns

• Research on 12 comparable towns – narrowed to five

	of Master PSC 11-23-2018	Plan Data and Cos	ts for Comparabl	e Towns																			
Town	RFP Date	Scope of RFP	Consultant Oversight	Consultant Budge	at 1	Staff Time Budget Equivaler	r Voars	%Time	Salanı	Ronofits	Total Cost	MP Cost	Total MP Cos	st Contract Time	Detailed Sco	ne .							Comments
Town	12/15/16	Comprehensive Long Pange		Ĭ	\$ 120,000	Planning Director	2	0.2	\$ 128,455			\$ 59,089	Total Mr Cos	16 months	Data Gathering	Analysis	Output/ The Plan	Communication & Outreach					CCLRP & Town boards responsible for gathering data and info
				Additional Allocation	\$ 54,000	Town Planner	2	0.2	\$ 95,747	\$ 14,362	\$ 110,109	\$ 44,044											
ncord					1	Former Town Clerk (Volunteer)	2 weeks		volunteer			\$ -	\$ 277,133	3									
					:	2 Fin Com Members - survey	8 weeks		volunteer			\$ -											
					I	MPSC Co-chairs	100 weeks	500	volunteer			\$ -											
borough	9/4/14	Master Plan Update	Planning Director	Town Budget	\$ 75,000	Town Planner	1	0.5	\$ 75,000	\$ 11,250	\$ 86,250	\$ 43,125	\$ 143,125	12 months	Develop Website	Hold Project meeting	Develop Plan Sections	Develop Maps & Data	Magazine Style Executive Summary				coordinates with town planner, also RF seems written by MAPC for MAPC not rea RFP. More like a proposal.
bolougii				District Local Technical Assistance (DLTA) through MAPC	\$ 25,000	6 employees to run meetings							\$ 143,125										
	4/27/12	Master Plan - Consultant Services	Planning Director	Consultant Budget/Expenses	\$ 40,800	Planning Director	1	0.2	\$ 120,000	\$ 18,000	\$ 138,000	\$ 27,600		12 months	Data Collection & Analysis	Public Participation & Workshops	Department Informational Interviews	Mapping	Public Information	Project Management	Production & Printing		Sparce RFP budjet referenced as "fixed limit" not sure what that means. Value low
						Assistant Planner	1	0.6	\$ 75,000	\$ 11,250	\$ 86,250	\$ 51,750											
edford					,	Admin Assistant	1	1	\$ 60,000	\$ 9,000	\$ 69,000	\$ 69,000	\$ 235,150										
					1	Intern	1	1	\$ 25,000	\$ 3,750	\$ 28,750	\$ 28,750											
					•	GIS Analyst	1	0.2	\$ 75,000	\$ 11,250	\$ 86,250	\$ 17,250											
arvard	8/29/11	Vision & Goals	MPSC Chair		\$ 35,000	Town Staff	0.25	0.1	\$ 65,000	\$ 9,750	\$ 74,750	\$ 1,869	- \$ 210.181		Hold a Minimum of 2 town wide forums		Supply Web Content	Develop Final Report	Assist in Drafting Phase 2 RFP and Estimate Cost for Phase 2				
	7/22/13	Master Plan Phase 2 - Scope & Action Planning	MPSC Chair		\$ 100,000	Consulting Town Planner	1.25	0.6	\$ 85,000	\$ 12,750	\$ 97,750	\$ 73,313	, .	18 Months	Analysis the Governance/Non- Governance of Devens	Analysis Land Use	Identify & Analyze housing needs	Analyze opportunities for Economic Development	Identify policies & strategies for protection & Management of Natural Resources	Review and Analyze strategic planning areas (town center, Ayer Road Commercial District)	Review Town energy options, use, and needs	Develop Plan & outline strategies for implementation	Town Funded role of Town Planner for Year to work on Master Plan Related ta:
Acton		Master Plan Phase 1 - Community Outreach	Town Manager		None Referenced								???		No Set or Suggested Scope of Services	Town Looks to engage its citizens							
	8/6/08	Phase 2 - Master Plan	Town Manager		\$ 140,000] '''	12 months ish	Acton's housing needs in the context of the regional housing need	Review of regional open space and how Acton's open lands fit is	s regional economic assessment and an evaluation of Acton's competitive position to attract new business growth	Assesss towns facilities and infrastructure and identify necessary changes	Evaluate Towns current form of government and suggest changes	Continue outreach from Phase 1	Final report and path forward including implementation options	_	

